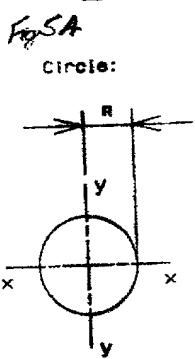
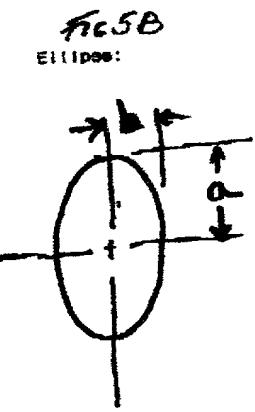


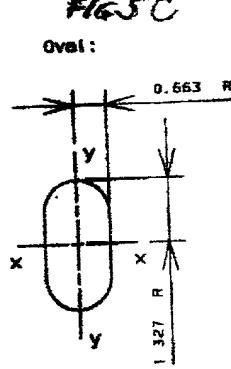
Fig. 5



Circle:



Ellipses:



Oval:

Area Moment of Inertia:

$$I_{xx} = 0.785 R^4 (mR^2/4)$$

$$I_{yy} = 1.634 R^4$$

$$I_{zz} = 0.410 R^4$$

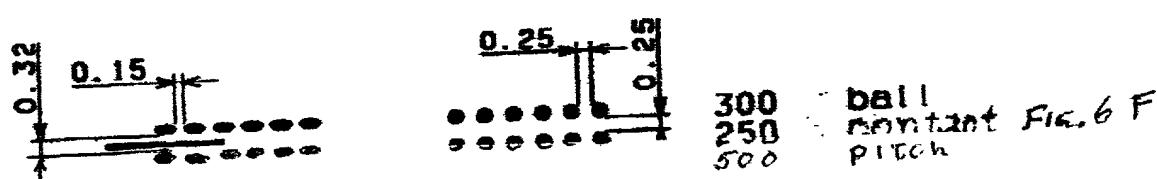
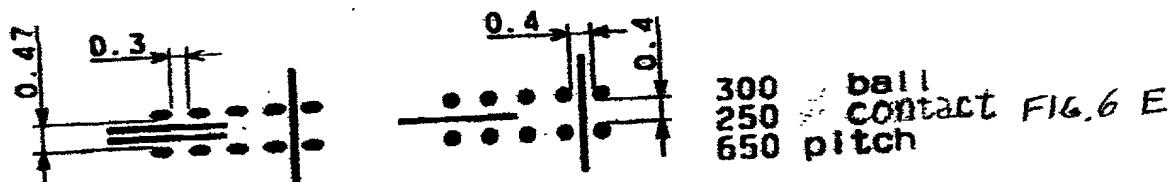
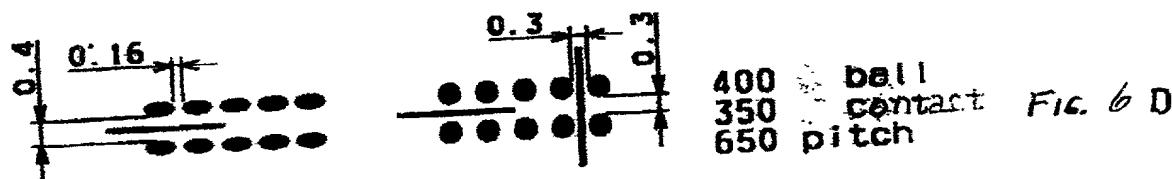
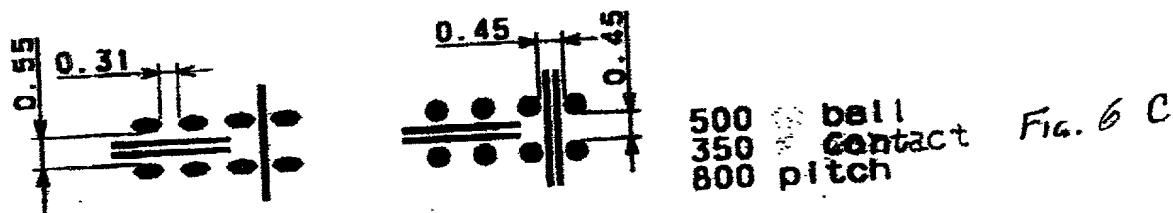
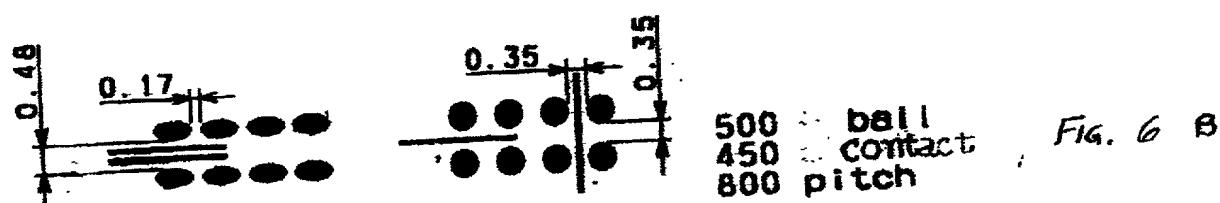
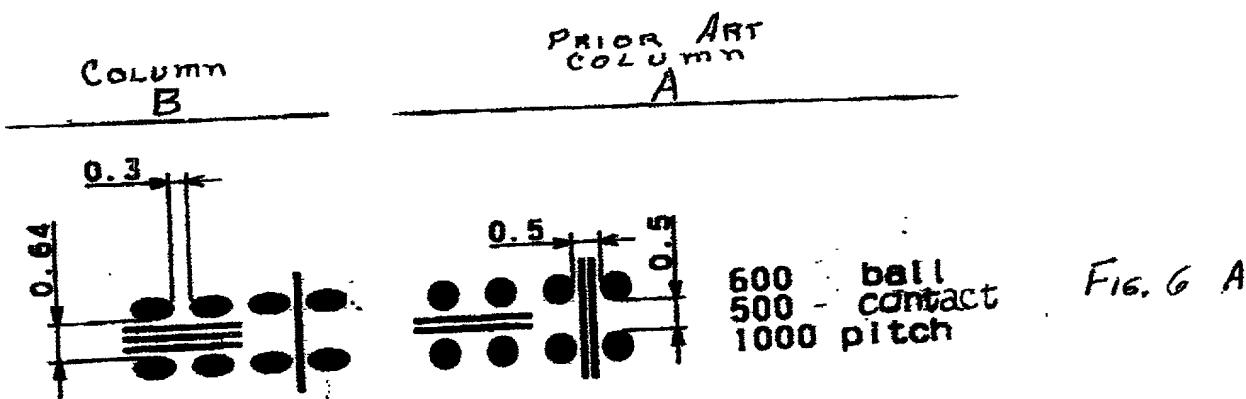
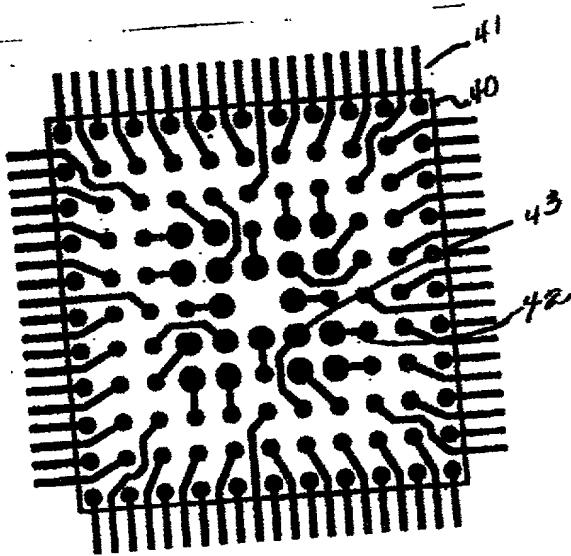
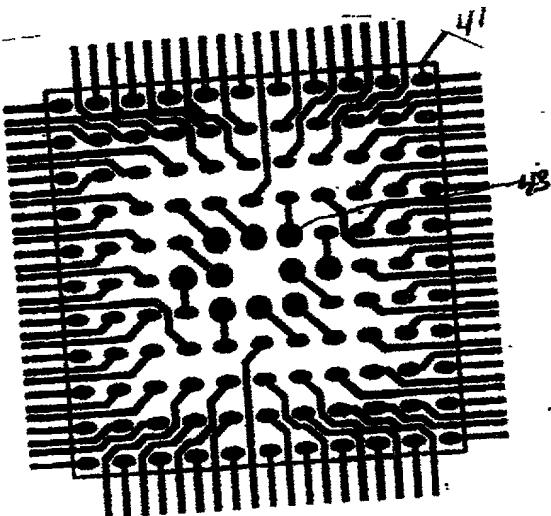


FIG. 7  
PRIOR ART



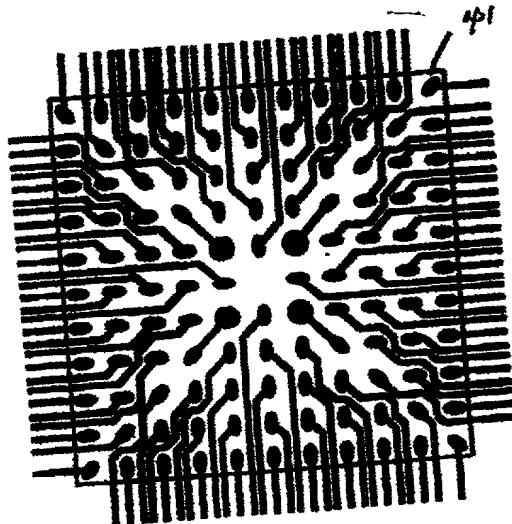
11x11  
80 out-edge  
20 out-via  
100 total

FIG. 8



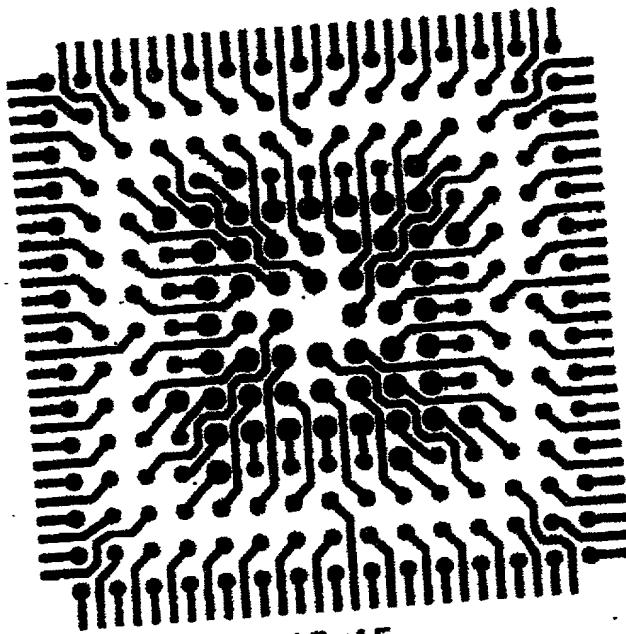
11x11  
100 out-edge  
10 out-via  
110 total

FIG. 9



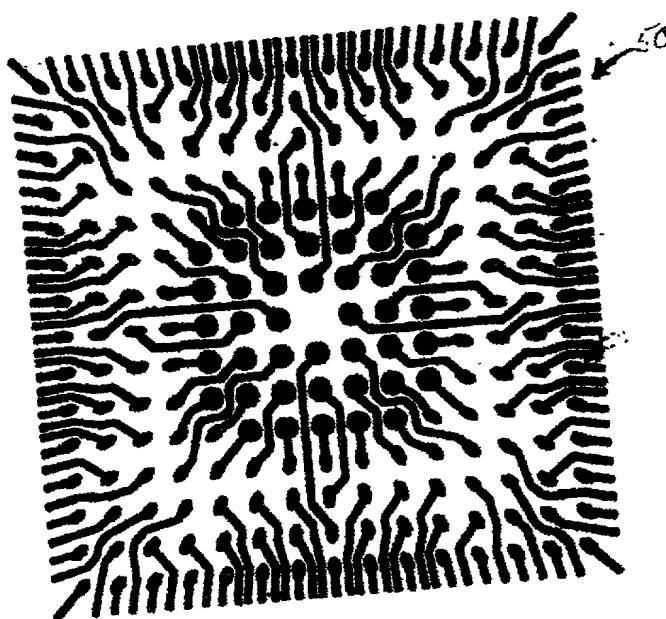
11x11  
112 out-edge  
4 out-via  
116 total

FIG 10  
PRIOR ART



15x15  
112 out by edge  
56 out by vias  
168 total

FIG 11



15x15  
136 out by edge  
44 out by vias  
176 total